



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

10466-27

Date of Issuance:

9/28/2016

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Ultra Fresh NM

Name and Address of Registrant (include ZIP Code):

Thomson Research Associates
49 Gervais Drive
Toronto, Ontario, Canada M3C 1Y9

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her/his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

EPA received a label amendment request submitted by email on July 27, 2016. EPA grants this request under the authority of section 3(c)(5) of FIFRA, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision for Triclosan have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of FIFRA, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after 12 months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

Signature of Approving Official:

Demson Fuller, Product Manager 32
Regulatory Management Branch II,
Antimicrobials Division (7510P)

Date:

9/28/2016

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/03/2012
- Alternate CSF 1 dated 07/28/2003

If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at Kamarei.donna@epa.gov.

Sincerely,



Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

Ultra-Fresh NM

BACTERIOSTAT

ACCEPTED

09/28/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10466-27

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Ultra-Fresh NM is an additive designed for application to textiles at 1-5% on weight of finished product to inhibit the growth of odor-causing bacteria on these surfaces.

Ultra-Fresh NM has been demonstrated to provide a durable treatment on washable fabrics when subjected to conventional launderings.

Ultra-Fresh NM can be used to treat carpets, latexes, air filters, and synthetic, cellulosic sponges, woven and non-woven general purpose cleaning cloths, pigment presscakes, dispersions, inks and adhesives. Do not use this product in food grade adhesives or inks.

Use Ultra-Fresh NM for formulation only into end-use products that are intended to treat the article itself. Please consult the Technical Data Sheet for application parameters.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Manufactured for: Thomson Research Associates
49 Gervais Drive
Toronto, Ontario, Canada
M3C 1Y9

Ultra-Fresh is a registered trademark of Thomson Research Associates

ACTIVE INGREDIENT

5-chloro-2-(2,4-dichlorophenoxy)phenol3.0%

OTHER INGREDIENTS.....97.0%

Total..... 100.0%

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENTS:

HAZARD TO HUMANS AND DOMESTIC ANIMALS. May be fatal if inhaled. Do not breathe vapor or mist. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear respirator fitted with cartridge for organic vapors. Wear face shield or chemical goggles.

FIRST AID

If Inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If in Eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
If on Skin or Clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
If Swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies call your local poison control center.

EPA Reg. No. 10466-27

EPA Est. 87118-MA-001

Net Contents: 18 kg (4.7 gal)

USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE AND DISPOSAL

Prohibitions: Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

Pesticide Disposal: Pesticides are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

Clean container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

General: Consult Federal, State, or local disposal authorities for approved alternative procedures.

Technical Data Sheet

Ultra-Fresh NM

Bacteriostat

Ultra-Fresh NM is an aqueous emulsion designed to confer durable bacteriostatic properties to cotton, wool and synthetic textile fabrics such as fabrics used in apparel, domestics and household goods by inhibiting the growth of odour-causing bacteria.

This product, when applied according to recommendations, will provide a durable treatment on washable fabrics when subject to conventional launderings.

Ultra-Fresh NM is used to protect pigment presscakes and dispersions and/or inks made from presscakes from the growth of bacteria.

Ultra-Fresh NM can be used to treat carpets, latexes, air filters and synthetic and cellulosic sponges.

DIRECTIONS FOR USE

1. Textiles

Ultra-Fresh NM will inhibit the growth of odour causing bacteria on textile surfaces. These include hosiery, nurses' uniforms, laboratory coats, intimate apparel, surgical and examination gowns, scrub suits, wall coverings, upholstery fabric, drapery fabric, blankets, cubicle curtains, mattress pads and covers, sheets and pillow covers, mattress filling materials, pillow filling fibres and air filters.

An application of 1.0% to 5.0% based on the weight of finished product and durability requirements is recommended. It is recommended that all fabrics be scoured prior to treatment with **Ultra-Fresh NM**. **Ultra-Fresh NM** can be applied from the pad bath, and liquor temperature has no effect on fabric pick-up of the product.

Exhaustion should be done for 10-15 minutes at temperatures ranging from 100°F to 120°F (38°C to 49°C).

No changes are required in existing procedures, e.g. for softener application, when adding **Ultra-Fresh NM**.

Ultra-Fresh NM can be added to the dyestuffs and auxiliaries used in all normal textile dyeing, and will confer durable bacteriostatic activity to the finished, dyed goods with no changes in dyeing procedure being required.

2. Polyester

Due to reduced substantivity, 100% polyester fibres need special application procedures to ensure durability. Please consult the corresponding Product Information Sheet for more details. Blends of polyester can be treated as per above general instructions.

3. Pigment Presscakes, Dispersions, Inks

Add 1 to 4% **Ultra-Fresh NM**, with thorough mixing, to an appropriate stage in manufacturing to confer resistance to bacterial growth in pigment presscakes, dispersions and inks.

4. Polymeric Systems

Also, incorporating **Ultra-Fresh NM** into the polymeric matrices of foams, latex and polyurethane gloves imparts protection. An application level of 2.0% to 5.0% based on dry polymer weight is recommended.

5. Synthetic & Cellulosic Sponges

Ultra-Fresh NM should be used at 1 to 4% on the weight of goods (o.w.g.). For additional antifungal protection, **Ultra-Fresh DM-50** can be added at the rate of 0.15% to 0.3% o.w.g.

This list is only intended to give examples of the many types of usages that the **Ultra-Fresh** products have been shown to be effective. **Ultra-Fresh** products are only intended to confer antimicrobial protection to treated articles, not to protect the people who are using them. Contact your local distributor to confirm that the usage type desired is acceptable according to Federal and local government regulations.

PHYSICAL PROPERTIES

Appearance:..... Clear liquid

Specific Gravity:..... 0.99 at 25°C / 77°F

pH: 7.1

PERFORMANCE

Ultra-Fresh NM is effective against a wide range of bacteria and fungi. Here are some examples of organisms that can be controlled by **Ultra-Fresh NM**.

Gram positive bacteria	Gram negative bacteria	Fungi
<i>Bacillus cereus</i>	<i>Acinetobacter calcoaceticus</i>	<i>Trichophyton mentagrophytes</i>
<i>Bacillus mycoides</i>	<i>Enterobacter aerogenes</i>	
<i>Bacillus subtilis</i>	<i>Escherichia coli</i>	
<i>Brevibacterium ammoniagenes</i>	<i>Klebsiella pneumoniae</i>	
<i>Corynebacterium pseudodiphtheriticum</i>	<i>Proteus vulgaris</i>	
<i>Enterococcus faecalis</i>	<i>Providencia rettgeri</i>	
<i>Micrococcus luteus</i>	<i>Salmonella typhimurium</i>	
<i>Staphylococcus aureus</i>		
<i>Streptococcus pyogenes</i>		

This list is only intended to give examples of the many types of microorganisms that the **Ultra-Fresh** products have been shown to inhibit in laboratory testing. The organisms used in the testing are those for which standardized cultures are freely available for laboratory study. Although some of these organisms are associated with pathogenic conditions, no health claims are made or implied concerning **Ultra-Fresh** products. **Ultra-Fresh** products are only intended to confer antimicrobial protection to treated articles, not to protect the people who are using them.

HANDLING PRECAUTIONS

Ultra-Fresh NM should be handled with care and common sense that is accorded to all biologically active chemicals. In case of contact, remove and launder contaminated clothing before reuse.

SPILL CLEAN-UP PROCEDURES

For small spills, absorb with sand, clay or other inert absorbent and place in clean, dry container for disposal. Large spills should be diked to prevent spreading. Pump spilled material to containers for salvage or disposal. Absorb the residual material as for small spills. Clean the spill area with detergent and water. This product is toxic to fish. Keep discharge from entering sewers, lakes, streams, ponds, estuaries or public water sources. Dispose of in accordance to regulations.

WASTE DISPOSAL PROCEDURES**ALL CONTAINERS:**

Nonrefillable container. Do not reuse or refill this container.

Offer for recycling, if available.

Clean container promptly after emptying.

For Containers of 5 gallons or less:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For Containers of more than 5 gallons:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two or more times.

TOXICOLOGICAL INFORMATION

Acute Oral LD ₅₀ (rats)	>2,000 mg/kg
Skin Irritation (rabbits)	Irritating
Eye Irritation (rabbits)	Irritating

FIRST AID

If Inhaled move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If in Eyes hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

If on Skin or Clothing take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Swallowed call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTICE

The technical information and suggestions for use made herein are based on TRA's research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since TRA has no control over the conditions under which this product is transported, stored, handled, used or applied, it is TRA's intent that its liability on any basis be limited to the price of the product used.

Ultra-Fresh is a registered trademark of Thomson Research Associates